Attorney Docket No. P06367US03

HE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

MARANAS et al.

Group Art Unit: 1645

SERIAL NO:

10/616,659

Examiner:

FILED:

July 9, 2003

Confirmation No: 9959

TITLE:

METHOD FOR DETERMINING GENE KNOCKOUT STRATEGIES

## SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT FILED WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

This information disclosure statement is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office Action on the merits, or before the mailing of a first office action after the filing of a request for continued examination, whichever event occurs last.

Attached are Forms PTO/SB/08A and 08B (formerly Form PTO-1449) listing the relevant art known to the applicant herein. Copies of non-U.S. patents are enclosed. References that are U.S. patents are not required to be submitted. Copies of the references are enclosed. The Examiner is requested to consider the references and make them of record.

Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than

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I hereby certify that this correspondence is, on the date shown below, being:

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three months prior to the filing of this information disclosure statement. A copy of the International Search Report is enclosed.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

Respectfully submitted,

John & Szedh

JOHN D. GOODHUE, Reg. No. 47,603 McKEE, VOORHEES & SEASE, P.L.C. 801 Grand Avenue, Suite 3200 Des Moines, Iowa 50309-2721 Phone No. (515) 288-3667 Fax No. (515) 288-1338

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Attorneys of Record

Form PTO/SA08B (10-01) Approved for use through 10/31/2002. OMB 0651-0031

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## SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) Sheet of

Complete if Known					
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July 9, 2003					
MARANAS, Costas D.					
1645					
P06367US03					

	U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	<u>Document Number</u> Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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STATEMENT BY APPLICANT				First Named Inventor MARANAS, Costas D.		
		Group Art Unit	1645			
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Sheet	2	of	2	Attorney Docket Number	P06367US03	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т2		
		BURGARD, A. P. et al., Minimal Reaction Sets for Escherichia coli Metabolism under Different Growth Requirements and Uptake Environments. Biotechnology Progress., 17(5):791-797 (2001)			
		BURGARD, A.P. et al., Probing the Performance Limits of the Escherichia coli Metabolic Network Subject to Gene Additions or Deletions. Biotechnology and Bioengineering, 74(5):364-375 (2001)			

Examiner	Date	
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